



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/660,785	09/13/2000	Benjamin E. Hansen	1692	7918

22193 7590 12/17/2003

QWEST COMMUNICATIONS INTERNATIONAL INC  
LAW DEPT INTELLECTUAL PROPERTY GROUP  
1801 CALIFORNIA STREET, SUITE 3800  
DENVER, CO 80202

EXAMINER

FOSTER, ROLAND G

ART UNIT	PAPER NUMBER
----------	--------------

2645

DATE MAILED: 12/17/2003

16

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/660,785

Applicant(s)

HANSEN ET AL.

Examiner

Roland G. Foster

Art Unit

2645

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 08 September 2003.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-25 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-25 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. §§ 119 and 120**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All   b) ☐ Some \* c) ☐ None of:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  
\* See the attached detailed Office action for a list of the certified copies not received.
- 13) ☒ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.  
a) ☐ The translation of the foreign language provisional application has been received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

**Attachment(s)**

- 1) ☐ Notice of References Cited (PTO-892)                      4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)                      5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_\_                      6) ☐ Other: \_\_\_\_\_

Art Unit: 2645

**DETAILED ACTION**

***Response to Arguments***

Applicant's arguments with respect to claims 1-25 have been considered but are moot in view of the new ground(s) of rejection.

***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1 and 5 rejected under 35 U.S.C. 102(b) as being anticipated by U.S. Patent No. 5,805,587 to Norris et al.

("Norris '587"), of record.

Art Unit: 2645

With respect to claim 1, see the following paragraphs for details on how Norris '587 anticipates particular limitations within the claim.

The limitation "forwarding the called station telephone service to an application server upon connection of the called station to the data network" reads on Norris '587 as follows. The subscriber associated with terminal D1 calls the Internet access provider (IAS) 200 and logs onto the Internet via LAN 240 (connection to the data network) (Figs. 1, 3, 4, and col. 3, lines 57-67). Upon the connection, subsequent calls to the subscriber's telephone S1 (called station telephone service) will be forwarded to IAS 200 (col. 4, lines 6-50). The IAS 200 also provides applications services such as Internet access and Internet Call Waiting (ICW) and thus can be considered an "application server." Id.

The limitation "responsive to a telephone call from a calling station, forwarding the telephone call to the application server" reads on Norris '587 as follows. When a caller at station S2 places a call to the subscriber, the call is forwarded to IAS 200 (application server) as discussed above.

Art Unit: 2645

The limitation "at the application server, obtaining from an Internet Access Server, an IP address relating to the called station, wherein the Internet Access Server is a different server from the application server" reads on Norris '587 as follows. The IAS 200 (application server) obtains the Internet IP address relating to the called station (Fig. 2, zip address 250-12, and col. 2, line 46 - col. 3, line 16) which is assigned by Internet access unit (IAU) 255 (col. 3, lines 60-67) where the IAU 255 (Internet access server) is a different server from the IAS 200 (application server).

The limitation "sending a query to the called station via the data network" reads on Norris '587 as follows. A call waiting alert signal is sent to the subscriber's terminal D1 via LAN 240 (data network) that serves as a query for the subscriber to respond (Figs. 4, 5, and col. 5, line 48 - col. 6, line 50).

The limitation "receiving a decision on the disposition of said telephone call from the called station" clearly reads on Fig. 5 where the called station can choose to answer the call, not answer the call, or send the call to voice mail.

Art Unit: 2645

With respect to claim 5, see the claim 1 rejection for further details.

Claims 1-4, 6-8, 10-14, 16-18, 20, and 22-25 are rejected under 35 U.S.C. 102(e) as being anticipated by U.S. Patent No. 6,259,692 B1 to Shtivelman et al. ("Shtivelman '692").

With respect to claim 1, see the following paragraphs for details on how Shtivelman '692 anticipates particular limitations within the claim.

The limitation "forwarding the called station telephone service to an application server upon connection of the called station to the data network" reads on Shtivelman '692 as follows. A subscriber places a call in order to log onto his Internet service provider (ISP) (connection to the data network) (Fig. 1 and col. 4, lines 55-60). Upon connection, subsequent calls to the subscriber's telephone 11 (called station telephone service) will be forwarded by telephony switch 151 to telephony switch (with IP interface) 141 (Fig. 1 and col. 4, line 67 - col. 5, line 3). The telephony switch (with IP interface) 141 provides subscriber services such as Internet call waiting (col.

Art Unit: 2645

5, lines 4-15) and thus can be considered an "application server."

The limitation "responsive to a telephone call from a calling station, forwarding the telephone call to the application server" reads on Shtivelman '692 as follows. When a caller at telephone 16 places a call to the subscriber (col. 4, lines 47-54), the call is forwarded to telephony switch (with IP interface) 141 (application server) as discussed above.

The limitation "at the application server, obtaining from an Internet Access Server, an IP address relating to the called station, wherein the Internet Access Server is a different server from the application server" reads on Shtivelman '692 as follows. The telephone switch 141 (application server) obtains from an ISP (Internet access server) an IP address relating to the called station (col. 5, lines 28-36) where the telephone ISP 130 (Internet access server) is a different server from the switch 141 (application server).

The limitation "sending a query to the called station via the data network" reads on Shtivelman '692 as follows. When a caller at telephone 16 places a call to the subscriber (col. 4,

Art Unit: 2645

lines 47-54), a call waiting alert signal is sent to the subscriber's computer station 112 that serves as a query for the subscriber to respond (col. 5, line 23 - col. 6, line 20).

The limitation "receiving a decision on the disposition of said telephone call from the called station" reads on Shtivelman '692 as follows. The subscriber decides to dispose of the waiting call by selecting from a plurality of options. For example, the subscriber can select to accept the call as an Internet call, select a prerecorded message to play to the caller, accept the call as a PSTN call, forward the call to selected numbers, or not to answer the call (col. 5, line 57 - col. 6, line 20).

Claim 11 differs substantively from claim 1 in the following manner. Claim 11 recites that the call is forwarded to an intermediate server instead of an application server as in claim 1. However, the telephony switch (with IP interface) 141 is a server that is intermediately positioned between the caller and the Internet service provider (ISP) that the called party is using (Fig. 1 and col. 4, lines 55-60). In addition, claim 11 recites that the query is sent "via the Internet" and "request[s] a decision from a list of call disposition options" which reads



Art Unit: 2645

on the ability of the subscriber, in response to the query sent via the Internet, to select from a plurality (list) of call disposition options as discussed in the claim 1 rejection above. Claim 11 also recites that the query to the called station is accompanied by a "calling station identification" which reads on col. 5, lines 53-56. Finally, claim 11 recites that the call disposition actions are performed which reads on col. 5, line 57 - col. 6, line 20.

Claim 23 differs substantively from claim 11 in that claim 23 recites that the forwarding occurs upon said called station launching "Internet connection software" instead of an Internet connection as in claim 11. However, this limitation reads on col. 4, lines 55-65. Specifically, the client's computer dials up the Internet service provider (ISP). Therefore, the computer comprises Internet connection software that is launched to accomplish the dialing. The dialing string also contains the call forwarding command that causes the forwarding to occur. Therefore, the forwarding occurs upon the called station's computer launching the Internet connection software required to dial up the ISP.

Art Unit: 2645

With respect to claims 2-4, 6, 7, 12-14, 16, and 17, see the claim 1 rejection above for further details.

With respect to claims 8 and 18, the caller would be on hold while the caller is listening to a pre-recorded message.

With respect to claim 10 and 20, the called party can choose to answer the call (see the claim 1 rejection) and therefore has to option to hang-up.

With respect to claims 22, 24, and 25, see col. 5, lines 40-67.

***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a),

Art Unit: 2645

the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary.

Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

Claims 9, 15, and 19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Shtivelman '692, as applied to claims 1 and 11 above, and further in view of U.S. Patent No. 6,353,611 B1 to Norris et al. (Norris '611).

With respect to claim 15, although Shtivelman '692 discloses the option of routing the incoming call to other telephone devices such as alternate or cellular telephones (col. 6, lines 1-20), Shtivelman '692 fails to specifically disclose that the incoming call is routed to voicemail.

However, Norris '611 also teaches of an Internet call waiting system (abstract) that provides incoming call routing

Art Unit: 2645

options such as the option to route the incoming call to voicemail (col. 5, lines 55-60).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to add the option of routing the incoming call to voicemail as taught by the Internet call waiting system with incoming call routing of Norris '611 to the routing options disclosed by the Internet call waiting system with incoming call routing disclosed by Shtivelman '692.

The suggestion/motivation for doing so would have been to increase the flexibility, user-friendliness, and versatility of the income call routing system disclosed by Shtivelman '692 by allowing an incoming call to be routed to voice mail in cases where the called party would like to record a message from the incoming party but does not consider the call important enough to answer in real time or in cases where the called party is simply absent. Further, Shtivelman '692 discloses that the called party can select routing options alternate or cellular telephones. It is notoriously well known in the art that both telephones and cellular telephone are often coupled to voice messaging systems either locally (e.g., telephone answering devices) or at the

Art Unit: 2645

network level (e.g., voice mail systems). Therefore, the simple act of routing the call to a telephone equipped with voice messaging would provide an option to route to voicemail with very little structural modification required and as is notoriously well-known in the art.

With respect to claims 9 and 19, Shtivelman '692 fails to specifically disclose that the incoming call is routed to a conference bridge.

However, Norris '611 also teaches of an Internet call waiting system (abstract) that provides incoming call routing options such as the option to route the incoming call to a conference bridge (Fig. 8 and col. 8, lines 51-65).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to add the option of routing the incoming call to a conference bridge as taught by the Internet call waiting system with incoming call routing of Norris '611 to the routing options disclosed by the Internet call waiting system with incoming call routing disclosed by Shtivelman '692.

Art Unit: 2645

The suggestion/motivation for doing so would have been to increase the flexibility, user-friendliness, and versatility of the income call routing system disclosed by Shtivelman '692 by allowing an incoming call to be conferenced such as in business environments where the ability to conference incoming calls is a standard and well-used feature. In addition, Norris '611 recognizes specifically that a conferencing feature would be an improvement over prior art Internet call-waiting systems (col. 2, lines 1-17) such as the system disclosed by Shtivelman '692.

Claim 21 is rejected under 35 U.S.C. 103(a) as being unpatentable over Shtivelman '692 as applied to claim 11 above.

Although Shtivelman '692 discloses that the incoming call is provided with caller ID information (see the claim 1 rejection above and col. 5, lines 53-56), Shtivelman '692 fails to specifically disclose that the caller ID information is stored, such as in a database.

However, an "Official Notice" was set forth in the last Office action that both the concept and advantages of storing caller ID information when the called party chooses an option to receive or process (such as routing to voicemail) the incoming

Art Unit: 2645

call would have been well-known and expected in the art. This is especially the case in the art of call-logging and voice mail systems which both often use caller ID devices to store the incoming caller ID data for later retrieval, display, and/or screening purposes. However, the applicant's decision not to traverse the Official notice is taken as an admission of the fact(s) noticed.

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to add the option to store caller ID information to the system that provided caller ID information for incoming calls as disclosed by Shtivelman '692.

The suggestion/motivation for doing so would have been to increase the versatility and user-friendliness of caller ID based systems by storing the caller ID data in a database for later retrieval and/or display such as when the called party is not present during incoming calls or when the called party wishes to document incoming calls. This is notoriously well known in the art of local, caller-ID devices and also well known in the art of screening and voice mail systems as well.

**Conclusion**

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.




Art Unit: 2645

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Roland Foster whose telephone number is (703) 305-1491. The examiner can normally be reached on Monday through Friday from 9:00 a.m. to 5:30 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Fan S. Tsang, can be reached on (703) 305-4895. The fax phone number for this group is (703) 872-9314.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to customer service whose telephone number is (703) 306-0377.

FAN TSANG  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2600



R.S.F.

r.g.f.

December 5, 2003